

Planning Email # 1:

Preparations are underway for the upcoming A13.5 GO-SHIP cruise in early 2024! We will be on the R/V Marcus Langseth, and will have a somewhat slimmed-down GO-SHIP experience, focusing primarily on Level 1 measurements and including others when possible. Dates and ports may still change, but the current schedule (note a delay of 12 days from previous information) is:

- Loading in Norfolk, VA on January 15th (target 10-12 January for when gear should arrive)
- Depart from Praia, Cape Verde on February 1, 2024 (MOB: January 30-31)
- Arrive in Cape Town, South Africa on March 23, 2024 (DeMOB: March 24-25)

For loading in Norfolk, we will be using a federal government facility. This means we will need to know who is going to come in advance, and if any foreign nationals are coming they will need to be cleared ahead of time. I'll remind everyone of this as January gets closer. For loading and unloading in the international ports, we will be using the ship's agent; stay tuned for more information on that.

Right now we are starting to populate the participant list. I'd like to confirm PI status for each of the measurements and see where everyone is with deciding who to send on the cruise. If you are a PI on one of the measurements for A13.5, please confirm your name below and let me know (don't need to reply all...) where you stand on determining personnel. If you are in need of students and want to make use of our list of student applicants for the CTD/LADCP/CFC spots, please let me know that too!

Future emails concerning A13.5 planning will be sent to the list of PIs below and the participants who will be sailing. If you are not on these lists but would like to still be informed, please let me know.

One of the challenges and opportunities on this cruise will be fitting GO-SHIP measurements into a research vessel that hasn't yet been used for a GO-SHIP cruise. Lab space will be tighter than on the Brown. Another change is that we will not have a walk-in refrigerator or freezer, as we typically have on the Brown. Therefore, please also tell me (even if you think I should already know):

- how much laboratory space does your measurement need?
- what refrigeration or freezer needs do you have for your measurements?

Finally, as you are all aware, barring any last-minute legislation the federal government is scheduled to shut down starting October 1st. I will be furloughed and unable to access email or do any work until the federal government reopens. Please make sure you are emailing myself and Jesse Anderson in all A13.5-related correspondence.

Best,
Zach (and Jesse)

GO-SHIP measurements/platforms with dedicated berths:

CTD (1 berth + 2 students): Rick Lumpkin (AOML) and Zach Erickson (PMEL)
CFCs (2 berths + 1 student): Rolf Sonnerup (CICOES) and Zach Erickson (PMEL)
Oxygen (2 berths): Chris Langdon (RSMAS)
Alkalinity (2 berths): Chris Langdon (RSMAS)
pH (2 berths): Chris Langdon (RSMAS)
pCO₂ (2 berths): Rik Wanninkhof (AOML)
DIC (2 berths): Rik Wanninkhof (AOML) and Dick Feely (PMEL)
Salts (2 berths): Rick Lumpkin (AOML) and Zach Erickson (PMEL)
Nutrients (2 berths): Jia-Zhong Zhang (AOML) and Calvin Mordy (PMEL/CICOES)
LADCP (1 student): Andreas Thurnherr (LDEO)
DOC (1 berth): Craig Carlson (UCSB) and Dennis Hansell (RSMAS)

Standard GO-SHIP measurements/platforms with no dedicated berths:

UW pCO₂: Rik Wanninkhof (AOML) and Dick Feely (PMEL)
SADCP: Jules Hummon and Eric Firing (UH)
Transmissometry: Jason Graff (OSU)
NOAA Drifters: Shaun Dolk (AOML)
Core and Deep Argo Floats: Pelle Robbins (WHOI)
BGC Floats: Lynne Talley (SIO) and Stephen Riser (UW)

Add-ons for this cruise with no dedicated berths:

Nitrogen/oxygen isotopes (d15N, d18O): François Fripiat (ULB) and Danny Sigman (Princeton)
Sargassum: Dennis McGillicuddy (WHOI) - dependent on lab space
Bio-GO-SHIP: Luke Thompson (AOML) and Adam Martiny (UCI) - dependent on space/time